

Team ID	PNT2022TMID23337
Project Name	CRUDE OIL PRICE PREDICTION

INTEGRATE FLASK WITH SCORING END POINT:

```

In [ ]: !pip install pyngrok
        !pip install flask_ngrok

Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: pyngrok in /usr/local/lib/python3.7/dist-packages (5.1.0)
Requirement already satisfied: PyYAML in /usr/local/lib/python3.7/dist-packages (from pyngrok) (6.0)
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: flask_ngrok in /usr/local/lib/python3.7/dist-packages (0.0.25)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from flask_ngrok) (2.23.0)
Requirement already satisfied: Flask>=0.8 in /usr/local/lib/python3.7/dist-packages (from flask_ngrok) (1.1.4)
Requirement already satisfied: Werkzeug<2.0,>=0.15 in /usr/local/lib/python3.7/dist-packages (from Flask>=0.8->flask_ngrok) (1.0.1)
Requirement already satisfied: click<8.0,>=5.1 in /usr/local/lib/python3.7/dist-packages (from Flask>=0.8->flask_ngrok) (7.1.2)
Requirement already satisfied: itsdangerous<2.0,>=0.24 in /usr/local/lib/python3.7/dist-packages (from Flask>=0.8->flask_ngrok) (1.1.0)
Requirement already satisfied: Jinja2<3.0,>=2.10.1 in /usr/local/lib/python3.7/dist-packages (from Flask>=0.8->flask_ngrok) (2.11.3)
Requirement already satisfied: MarkupSafe>=0.23 in /usr/local/lib/python3.7/dist-packages (from Jinja2<3.0,>=2.10.1->Flask>=0.8->flask_ngrok) (2.0.1)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests->flask_ngrok) (2022.9.24)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests->flask_ngrok) (2.10)
Requirement already satisfied: urllib3<1.25.0,!<1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests->flask_ngrok) (1.24.3)
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests->flask_ngrok) (3.0.4)

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In [ ]: !curl -s https://ngrok-agent.s3.amazonaws.com/ngrok.asc | sudo tee /etc/apt/trusted.gpg.d/ngrok.asc >/dev/null && echo "deb https://ngrok-agent.s3.amazonaws.com buster main"

Hit:1 http://archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 https://cloud.r-project.org/bin/linux/ubuntu bionic-cran40/ InRelease
Hit:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
Hit:5 http://security.ubuntu.com/ubuntu bionic-security InRelease
Ign:6 https://developer.download.nvidia.com/compute/machine-learning/repos/ubuntu1804/x86_64 InRelease
Hit:7 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu1804/x86_64 InRelease
Hit:8 https://developer.download.nvidia.com/compute/machine-learning/repos/ubuntu1804/x86_64 Release
Hit:9 http://ppa.launchpad.net/c2d4u.team/c2d4u4.0+/ubuntu bionic InRelease
Hit:10 https://ngrok-agent.s3.amazonaws.com buster InRelease
Hit:11 http://ppa.launchpad.net/cran/libgit2/ubuntu bionic InRelease
Hit:12 http://ppa.launchpad.net/deadsnakes/ppa/ubuntu bionic InRelease
Hit:13 http://ppa.launchpad.net/graphics-drivers/ppa/ubuntu bionic InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
9 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done

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```
In [ ]: from sklearn.preprocessing import MinMaxScaler
import pandas
from dateutil import parser
import datetime
import pandas_datareader as web
import numpy as np
import pickle
from flask import Flask
from flask import request, render_template
from pyngrok import ngrok
from flask_ngrok import run_with_ngrok
import datetime
from dateutil import parser

In [ ]: app = Flask(__name__)

run_with_ngrok(app)

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/getprediction', methods=['POST'])
def getprediction():
```